

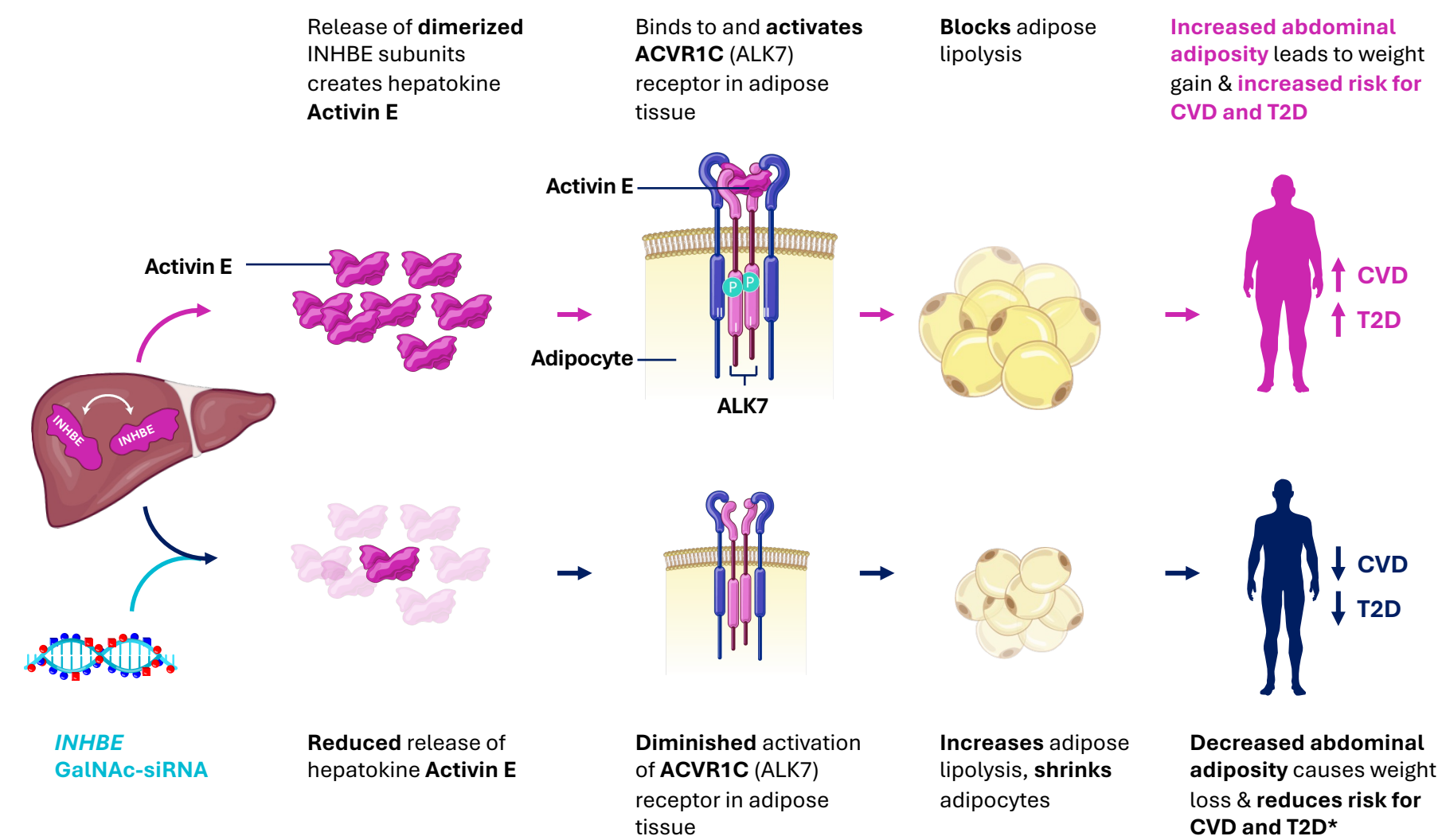
# Interim Results from INLIGHT, a Phase 1 Study of Investigational WVE-007, an *INHBE* GalNAc-siRNA, for the Treatment of Overweight and Obesity

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## SUMMARY

- The INLIGHT™ trial (NCT06842186), a Phase 1, randomized, double-blind, placebo-controlled single ascending dose (SAD) study, was designed to evaluate investigational WVE-007, an *INHBE* N-Acetylgalactosamine (GalNAc)-conjugated siRNA, for the treatment of adults with overweight and obesity.
- There were some differences in baseline characteristics between the 240 and 400 mg groups.
- Single doses of WVE-007 were generally safe and well tolerated up to 600 mg.
- WVE-007 drove potent and durable reductions in serum Activin E levels, supporting the potential for once or twice-yearly dosing of WVE-007.
- Clinically meaningful improvements in body composition were observed at three and six months post-single 240 mg dose of WVE-007. There was a statistically significant reduction in visceral fat at six months post-single 240 mg dose, along with reductions in total fat mass, and preservation of lean mass. This was accompanied by reductions in body weight and waist circumference. Overall, the data support continued evaluation of WVE-007 in the ongoing INLIGHT trial.

**Figure 1.** *INHBE* is a therapeutic target for obesity with potential to impact type 2 diabetes and cardiovascular disease by reducing visceral fat

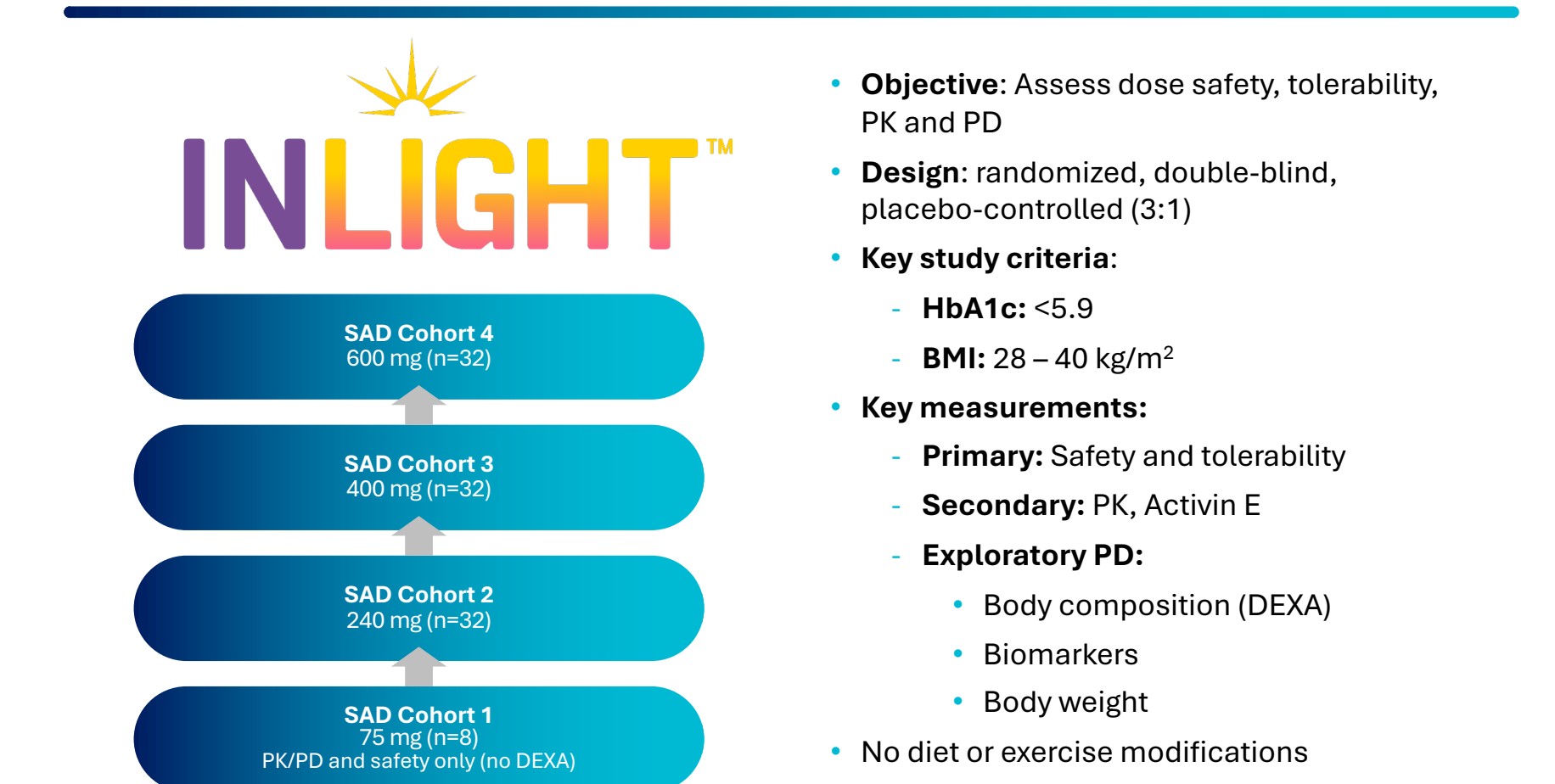


Model of how Activin E contributes to obesity and metabolic disease and hypothesized impact of siRNA-mediated knockdown of *INHBE* expression. \*Consistent with the phenotype of *INHBE* heterozygous predicted loss-of-function carriers (reduced OR of T2D by 28%, reduced OR of CAD by 25%, reduced serum triglycerides, elevated HDL-c, visceral fat by MRI). OR: odds ratio; CAD: coronary artery disease; HDL-c: high-density lipoprotein cholesterol.

## INTRODUCTION

- WVE-007 is a GalNAc (N-Acetylgalactosamine)-conjugated small interfering RNA (siRNA) designed to lower the expression of *INHBE* (Inhibin βE) mRNA. *INHBE* is expressed in the liver and encodes the protein Activin E, a hepatokine that regulates adipocyte lipolysis.<sup>1,2</sup>
- INHBE* loss-of-function carriers have a healthy metabolic profile, including lower abdominal obesity, lower triglycerides and HbA1c, and reduced risk for type 2 diabetes (T2D) and cardiovascular disease (CVD).<sup>3-5</sup> This suggests that lowering *INHBE* mRNA by ≥50% may provide therapeutic benefit for people living with overweight or obesity.
- Lowering *INHBE* mRNA with WVE-007 has the potential to reduce visceral fat via increased adipocyte lipolysis (Figure 1). Preclinical data demonstrated that *Inhbe*-lowering in mice can reduce visceral adipose accumulation, with preservation of muscle mass.<sup>6</sup>
- WVE-007 is being evaluated in the ongoing INLIGHT trial for its ability to lower circulating Activin E levels and for impacts on body weight and body composition in adults living with overweight or obesity (Figure 2).

**Figure 2.** Study design for the INLIGHT trial



National clinical trial number: NCT06842186. SAD: single-ascending dose; PK: pharmacokinetics; PD: pharmacodynamics; HbA1c: hemoglobin A1C; BMI: body mass index; DEXA: Dual-Energy X-ray Absorptiometry. DEXA was not evaluated for participants in Cohort 1.

- The INLIGHT trial, a Phase 1 SAD clinical study, is ongoing, and interim results as of February 27, 2026 are reported.

**Table 1.** Baseline characteristics

| Baseline Characteristics | Placebo<br>N=18 | 75 mg<br>N=6 | 240 mg<br>N=24 | 400 mg<br>N=24 |
|--------------------------|-----------------|--------------|----------------|----------------|
| Age at consent (years)   | 35.2 (8.8)      | 38.3 (3.7)   | 40.5 (11.2)    | 39.4 (9.4)     |
| Gender, Male             | 10 (55.6)       | 2 (33.3)     | 15 (62.5)      | 17 (70.8)      |
| Female                   | 8 (44.4)        | 4 (66.7)     | 9 (37.5)       | 7 (29.2)       |
| Weight (kg)              | 95.0 (12.5)     | 97.4 (15.5)  | 97.7 (17.0)    | 95.6 (11.4)    |
| BMI (kg/m <sup>2</sup> ) | 31.8 (2.4)      | 32.5 (2.8)   | 32.1 (2.9)     | 30.9 (1.7)     |
| Waist circumference (cm) | 103.2 (8.7)     | 105.0 (8.4)  | 106.4 (10.9)   | 105.2 (8.0)    |
| Total fat mass (kg)      | 34.7 (5.4)      | NA           | 34.2 (9.0)     | 33.5 (5.9)     |
| Lean mass (kg)           | 57.5 (11.1)     | NA           | 58.4 (10.8)    | 59.4 (10.5)    |
| Visceral fat mass (kg)   | 0.9 (0.5)       | NA           | 1.0 (0.6)      | 0.7 (0.5)      |

All values are mean (SD) or N (%). Total fat mass, lean mass and visceral fat mass were measured by DEXA in the 240 mg and 400 mg cohorts. Lean mass equals tissues excluding bone and fat. Visceral fat is measured in the android region. Placebo column includes participants randomized to placebo across three cohorts shown.

- There were differences in baseline characteristics in gender, BMI, and visceral fat mass, with the 400 mg group having fewer females, lower mean BMI, and lower visceral fat mass than the 240 mg group.

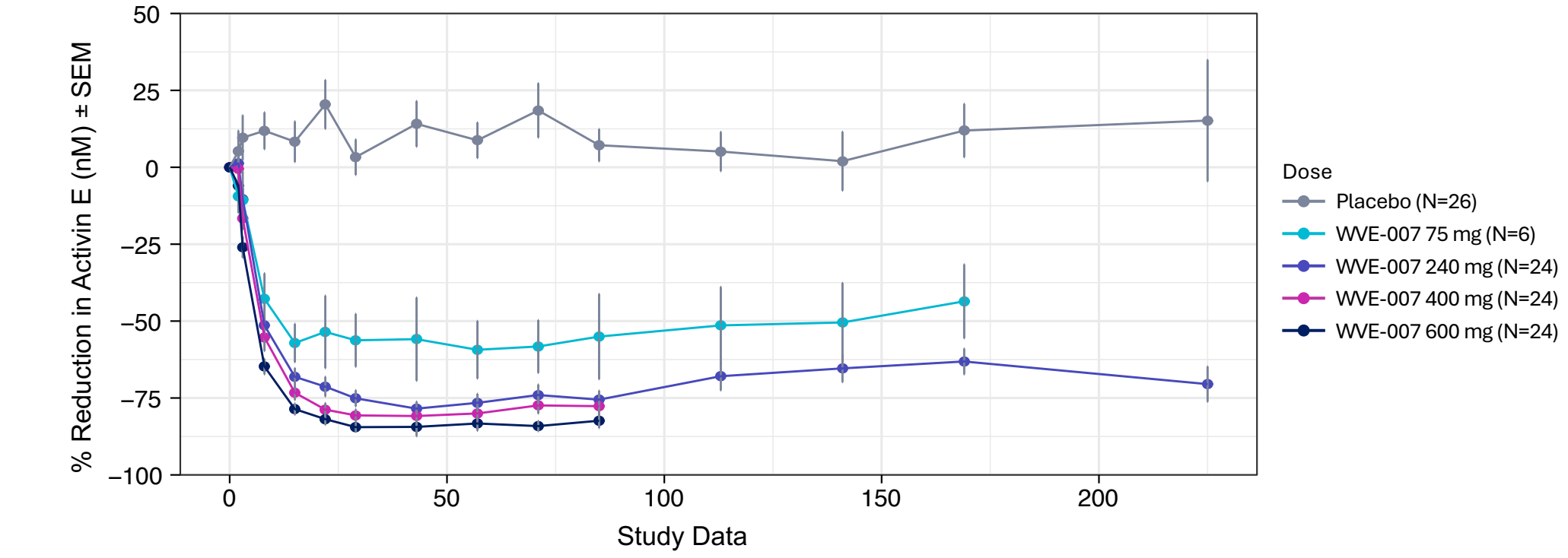
**Table 2.** Safety

| TEAE Category                       | Placebo<br>N=26<br>n (%) | 75 mg<br>N=6<br>n (%) | 240 mg<br>N=24<br>n (%) | 400 mg<br>N=24<br>n (%) | 600 mg<br>N=24<br>n (%) |
|-------------------------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|
| Any TEAE                            | 19 (73.1)                | 3 (50.0)              | 20 (83.3)               | 17 (70.8)               | 15 (62.5)               |
| Mild                                | 9 (34.6)                 | 2 (33.3)              | 13 (54.2)               | 9 (37.5)                | 9 (37.5)                |
| Moderate                            | 9 (34.6)                 | 1 (16.7)              | 7 (29.2)                | 8 (33.3)                | 6 (25.0)                |
| Severe                              | 1 (3.8)                  | 0                     | 0                       | 0                       | 0                       |
| Any drug-related TEAE               | 3 (11.5)                 | 1 (16.7)              | 9 (37.5)                | 9 (37.5)                | 10 (41.7)               |
| Mild                                | 3 (11.5)                 | 1 (16.7)              | 9 (37.5)                | 9 (37.5)                | 10 (41.7)               |
| Moderate                            | 0                        | 0                     | 0                       | 0                       | 0                       |
| Severe                              | 0                        | 0                     | 0                       | 0                       | 0                       |
| Any serious TEAE                    | 0                        | 0                     | 0                       | 0                       | 0                       |
| Any TEAE leading to discontinuation | 0                        | 0                     | 0                       | 0                       | 0                       |
| Any TEAE leading to death           | 0                        | 0                     | 0                       | 0                       | 0                       |

TEAE: treatment-emergent adverse event; LFT: liver function test. Placebo includes participants randomized to placebo across all cohorts. Data as of February 27, 2026.

- WVE-007 was generally safe and well tolerated through 600 mg.
- There were no discontinuations from treatment, serious TEAEs, or deaths.
- All TEAEs in the treatment group were mild or moderate, and all study drug related AEs were mild.
- There were no clinically meaningful changes in lipids or other clinical laboratory measurements including LFTs.

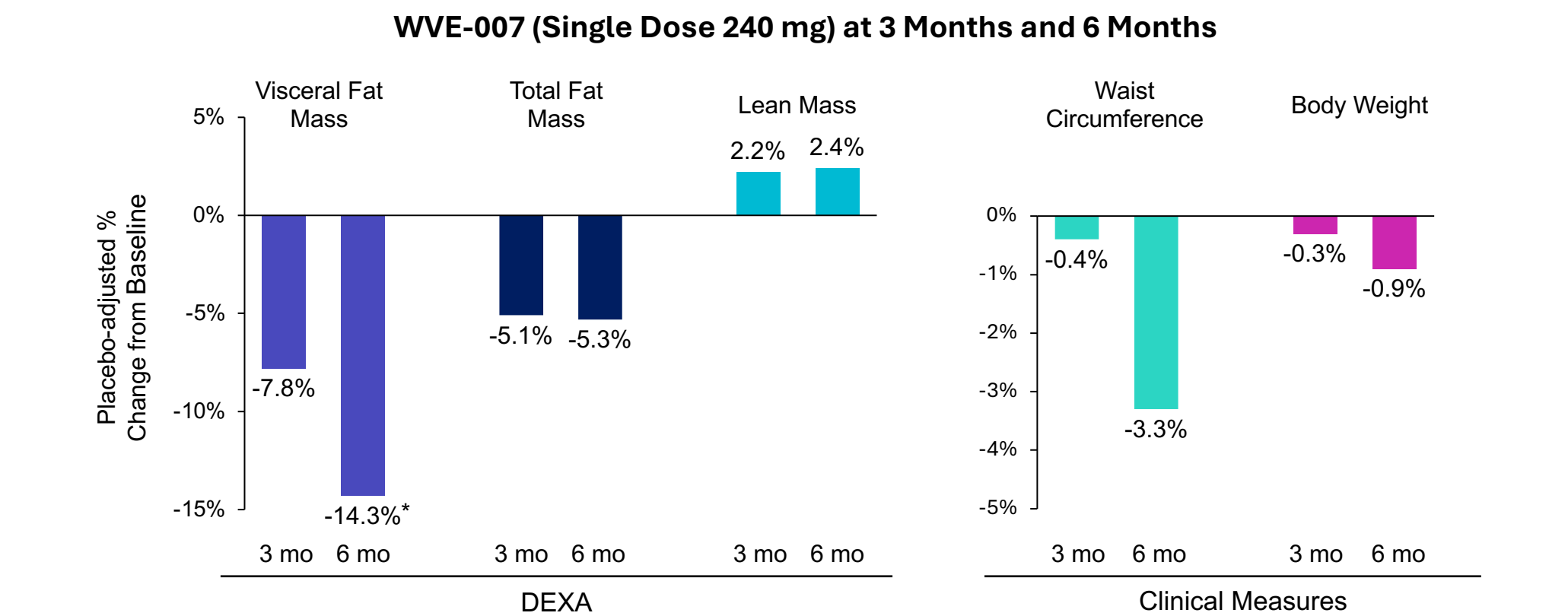
**Figure 3.** WVE-007 led to dose-dependent, potent, and durable reductions in serum Activin E



Serum Activin E (nM) data are sample means with SEM. Change from baseline was analyzed using a mixed model for repeated measures (MMRM). All MMRM baseline and placebo comparisons from Day 8 onwards are p<0.003.

- Activin E protein levels were reduced in all groups (75, 240, 400, and 600 mg) relative to placebo, with a mean maximum reduction of up to 88%. Reductions in Activin E were dose-dependent.
- This effect on Activin E was durable through at least 7 months, with substantial reductions in serum Activin E protein levels compared with placebo. This supports the potential for once or twice-yearly dosing with WVE-007.

**Figure 4.** A single dose of WVE-007 drove clinically meaningful improvements in body composition at 3 and 6 months



Placebo-adjusted % change from baseline were estimated using an MMRM model with fixed effects for treatment group, visit, treatment-by-visit interaction, and baseline as a covariate; estimates were based on geometric mean ratios. Stats: \*p<0.05.

- A single 240 mg dose of WVE-007 led to a 7.8% reduction in visceral fat mass (placebo-adjusted) at 3 months, as measured by DEXA. This decrease was further reduced at 6 months post-dose, to 14.3% (p<0.05).
- Waist circumference was reduced by 3.3% (placebo-adjusted) at 6 months post-dose.
- Total fat mass was reduced by 5.1% at 3 months and 5.3% at 6 months (placebo-adjusted) post-240 mg single dose of WVE-007.
- Lean mass was stabilized at 2.2% at 3 months and 2.4% at 6 months (placebo-adjusted) post-240 mg single dose of WVE-007.
- Body weight reductions of 0.3% and 0.9% (placebo-adjusted) were observed at 3 and 6 months, respectively, post single 240 mg dose of WVE-007.